

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
MTV-009.02Application Number  
09/239,024Applicant  
Buchwald, Stephen L.Filing Date  
01/27/99Group Art Unit  
1621

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
8/3	A 5,880,301	09.03.99	Shibasaki et al.	556	21	
	B 5,503,125	25.06.96	Berger et al.	540	594	
	C 5,248,815	28.09.93	Paradies, H.	562	496	
8/3	D 4,992,591	12.02.91	Hou et al.	568	315	

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
5/3	E WO 98/49128	05.11.98	PCT				
5/3	F WO 98/22429	28.05.98	PCT				
DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

5/3	G	Ahman, J. et al., "Asymmetric Arylation of Ketone Enolates", <i>J. Am. Chem. Soc.</i> , 120:1918-1919 (1998).
	H	Benhaddou, R. et al., "Palladium-Mediated Arylation of Acetylated Enenes Derived from Glycols. 4. Synthesis of Aryl 2-Deoxy-β-D-C-glycopyranosides", <i>J. Org. Chem.</i> , 57:4612-4616 (1992).
	I	Cho, C. et al., "Palladium(III)-Catalyzed Hydroarylation of α,β-Unsaturated Aldehydes and Ketones with Triarylstibines in the Presence of Silver Acetate", <i>Tetrahedron Letters</i> , 8:1275-1278 (1994).
	J	Ciufolini, M. et al., "Intramolecular Arylations of Soft Enolates Catalyzed by Zerovalent Palladium", <i>J. Org. Chem.</i> , 53:4149-4151 (1988).
	K	Galarini, R. et al., "Asymmetric synthesis of alkyl 2-arylalkanoates by cross-coupling reactions catalyzed by Pd complexes", <i>J. Molecular Catalysts</i> , 72:L11-L13 (1992).
	L	Hamann, B and Hartwig, J., "Palladium-Catalyzed Direct α-Arylation of Ketones. Rate Acceleration by Sterically Hindered Chelating Ligands and Reductive Elimination from a Transition Metal Enolate Complex", <i>J. Am. Chem. Soc.</i> , 119:12382-12383 (1997).
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	N	Jeffery, T., "Palladium-catalysed Arylation of Allylic Alcohols: Highly Selective Synthesis of β-Aromatic Carbonyl Compounds of β-Aromatic α,β-Unsaturated Alcohols", <i>Tetrahedron Letters</i> , 32:2121-2124 (1991).
	O	Kosugi, M. et al., "Arylation and 1-Alkenylation on α-Position of Ketones via Tributyltin Enolates catalyzed by Palladium Complex", <i>Bull. Chem. Soc. Japan</i> , 57:242-246 (1984).
5/3	P	Kosugi, M. et al., "α-Phenylation of Ketones via Tin Enolates Catalysed by a Palladium Complex", <i>J. Chem Soc., Chem Commun.</i> , 344-345 (1983).

EXAMINER

DATE CONSIDERED

1/16/00

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**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)

MTV-009.02/20021-999

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Applicant Buchwald

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Group Art Unit 1621

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
X	6,057,456	05/02/00	Hartwig et al.	548	540	10/15/98
Y	6,072,073	06/06/00	Kawatsura et al.	560	82	08/18/99

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)


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